

ABSTRACT

Sub A' > Liquid crystal modulation elements (optical modulation elements) are placed so that light outgoing surfaces thereof face light incident surfaces of a color synthesizing prism, respectively. Transparent plates are bonded to the light outgoing surfaces of the liquid crystal modulation elements. Therefore, it is possible to prevent dust from adhering to the light outgoing surfaces of the liquid crystal modulation elements. Furthermore, it is possible to prevent light reflection at the interface surface between the light outgoing surfaces and air because of the difference in refractive index therebetween. This permits the projection of a high-quality image without deteriorating the switching characteristic of the liquid crystal modulation elements while preventing dust from adhering to the light outgoing surfaces of the liquid crystal modulation elements.